

25X1A

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1. The Radio Popular firm, located in Bucharest, now assembles the new Pioneer radio sets which sell for 8,000 lei. It is believed [redacted] that the parts for the set come from the Soviet Union. Assembly of these sets began in early 1950. The plant is the former Philips radio firm.
2. The Pioneer radio is superheterodyne; it has three tubes and an AC selenium rectifier. The tubes are 6X8; 6B8, and 6K6. It uses both 220 and 110 volt current and requires 60 watts. It has a middle wave and a long wave band. The former ranges between 200 and 600 meters and the latter from 700 to 2,000 meters. The Pioneer sets were to be adapted for short wave reception, but as of the fall of 1950, no sets with short wave had been seen in Rumania.
3. The Radio Popular firm also manufactures a radio set known as Radio Popular. It sells for 11,000 lei and has five tubes as follows: 10A8; 10K7; 6Q7; 50L4, and 3524. The latter is an AC and DC rectifier. It may be used on 220 or 110 volt current. It requires 100 watts. There are three bands; shortwave from 25 meters to 90 meters; middle wave from 200 meters to 600 meters; and long wave from 700 meters to 2,000 meters. The set is built for volume and thus selectivity is sacrificed.
4. There is a great deal of jamming on the radios in Rumania. This jamming is most effective on the stations which are tuned above the 25 meter band and these radio sets with selectivity in the 13, 16, and 19 meter bands are most highly prized. It will be noted that the two sets which are made or assembled in Rumania today are not capable of short wave below the 25 meter band. Thus the old sets are prized possessions in Rumania, primarily because of some ability to pierce the jamming efforts of the Rumanian authorities.
5. The old sets are of the following types; each of them are generally of the pre-1935 era. They include:
 - a. Philips A Dutch set
 - b. Telefunken A German set
 - c. AEG A German set

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- d. Standard A Hungarian set
- e. Orion A Hungarian set
- f. Saba A German set
- g. Lorenz A German set
- h. Sierra Mediator A Dutch (Philips) set
- i. RCA An American set

Nearly all of the above have all three waves; they generally have band spreads and their tubes range from four to eight. They are all superheterodyne and of the 220 - 110 volt power requirement. Each start with the 13 meter short wave band.

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6. At Riga, in the Soviet Union, the former VEF factory, the former Telefunken model is copied by the Soviets. The set is good, [REDACTED] and very expensive. There are only a few in Rumania, and these are all owned by Rumanian officials. The name of the set is not known. Its band spread starts with the 13 meter band.
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7. Another set, Soviet made, the Leningrad, has 11 tubes and is considered too noisy [REDACTED]. Its band spread starts with the 19 meter band. The short wave is said to be poor. It has 220 and 110 volt power requirement and is superheterodyne. The following tubes are used in this set: 6P6; 6J5; 6K8; 6h6; four 6K7's, 2 rectifiers (5Z4); a "magic eye", and one other tube which informant does not remember. It is described as "powerful".
8. Another Soviet made set, which only the important Communist figures in Rumania could acquire, was the Sest-na-Adis set. It is no longer being manufactured. It was modelled exactly on the English Marconi radio set, and was made from 1935 to 1945. The tubes were as follows: 6A8; 6K7; 6h6; 6J5; 6J6 and 5z4. It was originally constructed to start with the 16 meter band, but the Soviets started the band spread at the 21 meter figure.
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9. A well-constructed battery set of 2 volts which obtained excellent results was a small portable Soviet made set. It had a 20 kilometer range, and a telescopic "T" antenna. It had eight tubes for receiving and only one for transmitting; the unique feature was that certain tubes could be coupled for use in both transmitting and receiving. It was copied from a United States model radio and was said to be very well made. The designer of the set received the "Stalin Prize" for his work. It is used only in military work; it had a microphone, loudspeaker (for which it was primarily designed), morse code key, and earphones. [REDACTED]
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10. A walkie-talkie type radio set with two tubes 6O 242 and 6B (?) was used only by parachutists in the last war. This set is Soviet made and used only by Soviet military personnel. [REDACTED]